


 Substitute Form PTO-1449
 (Modified)

 U.S. Department of Commerce
 Patent and Trademark Office

 Attorney's Docket No.
 07039-473003

 Application No.
 10/762,888

**Information Disclosure Statement
 by Applicant**
 (Use several sheets if necessary)

 Applicant
 D'Apice et al.

 Filing Date
 January 21, 2004

 Group Art Unit
 1651

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
4M	AQ	GenBank Nucleotide Sequence Access Number NCBI: J04989, deposited April 27, 1993
4M	AR	GenBank Nucleotide Sequence Access Number NCBI: X12810, deposited March 31, 1995
4M	AS	GenBank Nucleotide Sequence Access Number NCBI: X13967, deposited September 9, 2004
	AT	

Examiner Signature

Shin-Lin Chen

Date Considered

5-25-06

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06868-005002	Application No. 08/984,900
	Applicant Anthony J.F. D'Apice et al.		
	Filing Date December 4, 1997	Group Art Unit 1633	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
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	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>LR</i>	AQ	Abstracts from the 2nd International Congress on Xenotransplantation, Cambridge, England, Sept. 26-29, 1993
<i>LR</i>	AR	Abstracts from 11th Meeting of Transplant Society of Australia and New Zealand, Australia, May 5-7, 1993
	AS	Statutory Declaration of Nicholas J. Deacon from Victoria, Australia (11/30/00) including an exhibit listed immediately below: Exhibit NJD-1 Curriculum Vitae of Nicholas J. Deacon
	AT	Statutory Declaration of Joseph A. Trapani from Victoria, Australia (11/20/00) including an exhibit listed immediately below:

Examiner Signature <i>Shin-Lin Chen</i>	Date Considered <i>5-26-06</i>
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06868-005002	Application No. 08/984,900
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Anthony J.F. D'Apice et al.	
		Filing Date December 4, 1997	Group Art Unit 1633

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
		Exhibit JAT-1 Curriculum Vitae of Joseph A. Trapani
	AU	Statutory Declaration of Mauro S. Sandrin from Victoria, Australia (7/6/00) including exhibits listed immediately below
		Exhibit MSS-1 Curriculum Vitae of Mauro S. Sandrin
		Exhibit MSS-2 Flow chart of work leading up to ARI's Invention
		Exhibit MSS-3 Copy of electronic file pPGT (Sequence Listing)
		Exhibit MSS-4 Copy of gal sequence
		Exhibit MSS-5 Copy of Figure 5
		Exhibit MSS-6 Table Conservative Amino Acid Distributions
	AV	Statutory Declaration of Mauro S. Sandrin from Victoria, Australia (11/3/00) including an exhibit listed immediately below:
		Exhibit MSS-7 Sequence Listing
	AW	Statutory Declaration of Susan Sau Heng Wong from Victoria, Australia (11/3/00) including exhibits listed immediately below:
		SSHW-1 Curriculum Vitae of Susan S. H. Wong
		SSHW-2 Chapter 3 of the Australian Patent Office Manual of Practice and Procedure
	AX	Statutory Declaration of Carol E. Scott from New South Wales, Australia (6/23/00)
	AY	Statutory Declaration of Beverley Hore from Victoria, Australia (6/23/00)
	AZ	Statutory Declaration of Kirsten Neilson from New South Wales, Australia (7/4/00)
	AAA	Statutory Declaration of Kirsten Neilson from New South Wales, Australia (7/6/00)
	ABB	Statutory Declaration of Gretchen Sleeman of New South Wales, Australia (7/7/00)
	ACC	Statutory Declaration of Margaret Pratt of Victoria, Australia (7/10/00)
	ADD	Statutory Declaration of Margaret Pratt of Victoria, Australia (7/10/00)
	AEE	Statutory Declaration of Beverley Hore from Victoria, Australia (10/6/00)
	AFF	Statutory Declaration of Bruce E. Loveland from Victoria, Australia (7/6/00)
	AGG	Statutory Declaration of Richard G. Tearle (4/9/01) including exhibits listed immediately below:
	ARH	Exhibit RGT-1 Curriculum Vitae of Richard G. Tearle
		Exhibit RGT-2 Copy of page of laboratory notebook of Richard Gordon Tearle dated 9/27/74
		Affidavit of Allan Robins from Georgia, U.S.A. (8/31/01) including exhibits listed immediately below:
		Exhibit AR-1 Brief CV of Dr. Allan Robins and selected Publications
		Exhibit AR-2 Confidentiality Agreement
		Exhibit AR-3 Overcoming Hyperacute Rejection

Examiner Signature <i>Shin-Lin Chen</i>	Date Considered <i>5-25-06</i>
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		Filing Date December 4, 1997	Group Art Unit 1633

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document	
		Exhibit AR-4	Letter of Intent dated 6/24/93
	AII	Statutory Declaration of Dr. Anthony J. F. D'Apice (11/2/01) including exhibits listed immediately below:	
		AJFD-1	Curriculum Vitae of Anthony D'Apice
		AJFD-2	Application to Baxter Healthcare Corp. Extramural Grant Program
		AJFD-3	Research Agreement
		AJFD-4	Xenograft Project (6/13/91)
		AJFD-5	Funding of Xenograft Project (11/13/92)
		AJFD-6	Research Agreement
		AJFD-7	Passport of Anthony J. F. D'Apice
	AJJ	Statutory Declaration of Julie M. Wilkie from Victoria, Australia (7/5/00), with the exhibits immediately below:	
		JMW-1	Letters from The Austin Research Institute to Dr John Smeaton, dated 20 April and 8 June 1993; Dr Smeaton's reply dated 16 June 1993
		JMW-2	Programme and abstracts for the eleventh scientific meeting of the Transplant Society of Australia and New Zealand, held in Canberra on 5-7 May 1993, front page, pgs. 1, 5, 7, 51 and 62
		JMW-4	17 Programme and abstracts for the second International Congress on Xenotransplantation held in Cambridge, England 26-29 September 1993 - front pages, pages 8, 18, 211 and letter from Congress organisations to Mauro S. Sandrin August 1993
		JMW-8	Australian Patent No. 690100
		JMW-10	Provisional Patent Application PL7854 filed March 16, 1993
		JMW-13	Australian 15445/95 (Bresagen parent application)
		JMW-14	Australian-B 695373 (15445/95) - (Bresagen parent application)
		JMW-15	Prosecution documents of Au-A 77428/98 comprising Examiner's first report of October 1, 1997 and second report of May 8, 1998, responses thereto dated April 20 and June 20, 1998, request to amend and proposed amendments
		JMW-16	Prosecution documents of AU-A 77428/98 comprising Examiner's first report of April 12, 1999, response thereto dated July 30, 1999, request to amend and proposed amendments
		JMW-29	B. Hogan, F. Constantini E. Lacy, "Manipulating the mouse embryo - a laboratory manual", Cold Spring Harbour Laboratory, 1986, front pages
	JMW-36	Certificate of the Registration of a Company showing that Bresatec Ltd. changed its name to Bresagen Ltd.	
	AKK	Statutory Declaration of Julie M. Wilkie, Patent Attorney at Callinan Lawrie, Victoria, Australia (7/6/00) including Exhibits immediately listed below:	
		Exhibit JMW-39	McKenzie et al. (1968) The Lancet pp 386-387
		Exhibit JMW-40	Galili et al. (1984) J. Exp. Med. Vol. 160

Examiner Signature <i>Shin-Lin Chen</i>	Date Considered <i>5-25-06</i>
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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Anthony J.F. D'Apice et al.	
		Filing Date December 4, 1997	Group Art Unit 1633
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)										
Examiner Initial	Desig. ID	Document								
	ALL	Statutory Declaration of Julie M. Wilkie, Patent Attorney at Callinan Lawrie, Victoria, Australia (8/9/00) including Exhibits JMW-41 –JMW43 (replacement Exhibits for Exhibits JMW-11, JMW-14 and JMW-34) listed below: <table border="1" data-bbox="406 609 1429 735"> <tr> <td>JMW-41</td> <td>US Patent No. 188607 filed January 1994 ("Bresagen priority document 1")</td> </tr> <tr> <td>JMW-42</td> <td>Au-B 695373 (05445/95) – ("Bresagen parent patent")</td> </tr> <tr> <td>JMW-43</td> <td>D. Cosgrove et al. (1991) "Mice lacking MHC Class II Molecules", Cell 66:1051-1066</td> </tr> </table>	JMW-41	US Patent No. 188607 filed January 1994 ("Bresagen priority document 1")	JMW-42	Au-B 695373 (05445/95) – ("Bresagen parent patent")	JMW-43	D. Cosgrove et al. (1991) "Mice lacking MHC Class II Molecules", Cell 66:1051-1066		
JMW-41	US Patent No. 188607 filed January 1994 ("Bresagen priority document 1")									
JMW-42	Au-B 695373 (05445/95) – ("Bresagen parent patent")									
JMW-43	D. Cosgrove et al. (1991) "Mice lacking MHC Class II Molecules", Cell 66:1051-1066									
	AMM	Statutory Declaration of Ian Farquar Campbell McKenzie of Victoria, Australia (7/27/00)								
	ANN	Statement of Grounds of Opposition and Particulars Relating to Each Ground (4/7/00)								
	AOO	Application for an Extension of Time for lodging Evidence-in-Support (10/9/00)								
	APP	Application for an Extension of Time for lodging Evidence-in-Support (7/7/00)								
	AQQ	Statutory Declaration of John Cox on 1/8/02								
	ARR	Statutory Declaration of Prof. Robert Charles Atkins on (1/11/02) with exhibit 1 listed immediately below: <table border="1" data-bbox="406 1029 1429 1071"> <tr> <td>Exhibit RCA-1</td> <td>Curriculum Vitae of Robert Charles Atkins</td> </tr> </table>	Exhibit RCA-1	Curriculum Vitae of Robert Charles Atkins						
Exhibit RCA-1	Curriculum Vitae of Robert Charles Atkins									
	ASS	Statutory Declaration of Associate Professor Emma Whitelaw (4/4/02) with exhibit 1 listed immediately below: <table border="1" data-bbox="406 1123 1429 1165"> <tr> <td>Exhibit EW-1</td> <td>Curriculum Vitae of Emma Whitelaw</td> </tr> </table>	Exhibit EW-1	Curriculum Vitae of Emma Whitelaw						
Exhibit EW-1	Curriculum Vitae of Emma Whitelaw									
	ATT	Statutory Declaration of Robynne Lyndsay Sanders (4/2/02) with exhibits listed immediately below: <table border="1" data-bbox="406 1207 1429 1354"> <tr> <td>Exhibit RLS-1</td> <td>Application to Baxter Healthcare Corporation Extramural Grant Program</td> </tr> <tr> <td>Exhibit RLS-2</td> <td>Research Agreement</td> </tr> <tr> <td>Exhibit RLS-3</td> <td>Research Agreement</td> </tr> <tr> <td>Exhibit RLS-4</td> <td>PNAS Online</td> </tr> </table>	Exhibit RLS-1	Application to Baxter Healthcare Corporation Extramural Grant Program	Exhibit RLS-2	Research Agreement	Exhibit RLS-3	Research Agreement	Exhibit RLS-4	PNAS Online
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Exhibit RLS-2	Research Agreement									
Exhibit RLS-3	Research Agreement									
Exhibit RLS-4	PNAS Online									

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		Filing Date December 4, 1997	Group Art Unit 1633

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
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	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>SL</i>	AQ	Letter to Examiner disclosing grounds for an opposition filed by the Austin Research Institute in corresponding Australian patent application no. 711,144 (2 pages)
	AR	
	AS	
	AT	

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	Applicant Anthony J.F. D'Apice et al.		
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>gm</i>	AC	Fournier et al., "A Human Naturally Occurring Antibody, Anti-Gal, Recognises Epitopes in Pig Kidney, Heart and Liver and is Cytotoxic to Endothelial Cells in the Presence of Rabbit Complement," Abstract, #113, p. 142, Second International Congress on Xenotransplantation held in Cambridge, England 26-29 September 1993.
	AD	Dabkowski et al., "Isolation of a cDNA Clone Encoding the Pig α 1,3 Galactosyltransferase," Transplantation Proceedings 26(3):1335, 1994.
	AE	Cooper et al., "Genetically engineered pigs," The Lancet 342:682-683, 1993.
	AF	Hogan et al., "Getting nearer the mark," Nature 336:304-305, 1988.
	AG	Mansour et al., "Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells: a general strategy for targeting mutations to non-selectable genes," Nature 336:348-352, 1988.
	AH	O'Gorman et al., "Recombinase-Mediated Gene Activation and Site-Specific Integration in Mammalian Cells," Science 251:1351-1355, 1991.
	AI	Capecci, "Tapping the cellular telephone," Nature 344:10, 1990.
	AJ	Alberts et al., (eds.) <i>Molecular Biology of the Cell</i> , Garland Publishing, Inc.: New York and London, 1989, pp. 194, 195, 894-896, 900, 901.
	AK	Sandrin et al., "Studies on Human Naturally Occurring Antibodies to Pig Xenografts," Transplantation Proceedings, 25(5):2917-2918, 1993.
	AL	Vaughan et al., "Biochemical Analysis of Pig Xenoantigens Detected by Human Antibodies," Transplantation Proceedings 25(5):2919-2920, 1993.
	AM	Mortensen, "Double Knockouts: Production of Mutant Cell lines in Cardiovascular Research," Hypertension 22:646-651, 1993.
	AN	Robertson, "Embryo-derived stem cell lines," In <i>Teratocarcinomas and embryonic stem cells: a practical approach</i> , E.J. Robertson (ed.), IRL Press: Oxford, England, 1987, Chapter 4.
	AO	Zijlstra et al., "Germ-line transmission of a disrupted B2-microglobulin gene produced by homologous recombination in embryonic stem cells," Nature 342:435-438, 1989.
	AP	Merlino, "Transgenic animals in biomedical research," FASEB J. 5:2996-3001, 1991.
<i>gm</i>	AQ	Broach et al., "Replication and Recombination Functions Associated with the Yeast Plasmid, 2 μ Circle," Cell 21:501-508, 1980.

Examiner Signature <i>Shin-Lin Chen</i>	Date Considered <i>5-25-96</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		Filing Date December 4, 1997	Group Art Unit 1633

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>lu</i>	AR	Thall et al., "Oocyte Gal α 1,3Gal Epitopes Implicated in Sperm Adhesion to the Zona Pellucida Glycoprotein ZP3 Are Not Required for Fertilization in the Mouse," The Journal of Biological Chemistry 270(37):21437-21440, 1995.
	AS	Tearle et al., "The α -1,3-Galactosyltransferase Knockout Mouse," Transplantation 61:13-19, 1996.
	AT	McKenzie et al., "Human Lymphocytotoxic and Haemagglutinating Activity Against Sheep and Pig Cells," The Lancet, August 17, 1968, 386-387.
	AU	Galili et al., "A Unique Natural Human IgG Antibody with Anti- α -Galactosyl Specificity," J. Exp. Med. 160:1519-1531, 1984.
<i>lu</i>	AV	Cosgrove et al., "Mice Lacking MHC Class II Molecules," Cell 66:1051-1066, 1991.
	AW	Letter from Peter Maxwell to Dr. Ellinger, dated 1/11/00.
	AX	Letter from Peter Maxwell to Dr. Ellinger, dated 1/12/00.
	AY	Letter from Peter Maxwell to Dr. Ellinger, dated 4/14/00.

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 06868/005002		SERIAL NO. 08/984,900	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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	AI						
	AJ						
	AK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
AL	WO 94/21799	29 Sep 94	PCT				
AM	WO 94/02616	3 Feb 94	PCT				
AN	WO 91/13985	19 Sep 91	PCT				
AO	WO 88/07548	6 Oct 88	PCT				
AP	WO 93/16729	2 Sep 93	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
AQ	Sandrin et al., <u>Proc. Natl. Acad. Sci. USA</u> , 90:11391-11395 (1993)						
AR	Liu et al., <u>Int. J. Dev. Biol.</u> , 39:639-644 (1995)						
AS	Matsui et al., <u>Cell</u> , 70:841-847 (1992)						
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
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	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
SM	BL	WO 92/07581	14 May 92	PCT			
	BH	WO 90/08188	26 Jul 90	PCT			
	BN	WO 90/03432	5 Apr 90	PCT			
	BO	EP 235805	9 Sep 87	Europe			
SM	BP	PL 7854	11 Oct 94	Australia			
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
SM	BQ	Sandrin et al., <u>Immunological Reviews</u> , 141:169-190 (1994)					
SM	BR	Gustafsson et al., <u>Immunological Reviews</u> , 141:59-70 (1994)					
SM	BS	Galili, <u>Immunology Today</u> , 14:480-482 (1993)					
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
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	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
<i>LM</i>	CL	WO 91/19796	26/12/91	PCT			
<i>LM</i>	CM	2011784	03/08/90	Canada			
	CN						
	CO						
	CP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>LM</i>	CQ	Larsen et al., <u>Proc. Natl. Acad. Sci. USA</u> , 86:8227-8231 (1989)					
<i>LM</i>	CR	Fletcher et al., <u>J. of Exp. Medicine</u> , 174:837-845 (1991)					
<i>LM</i>	CS	Samal et al., <u>Biochimica et Biophysica Acta</u> , 1260:27-34 (1995)					
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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA						
	DB						
	DC						
	DD						
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	DF						
	DG						
	DH						
	DI						
	DJ						
	DK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	DL						
	DM						
	DN						
	DO						
	DP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
SL	DQ	Willson et al., <u>European J. of Biochem.</u> , 204:21-30 (1992)					
W	DR	Gough et al. <u>Proc. Natl. Acad. Sci.</u> , 85:2623-2627 (1988)					
SL	DS	Gearing et al., <u>Nucleic Acids Res.</u> , 16:9857 (1988)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 06868/005002		SERIAL NO. 08/984,900	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	EH						
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	EJ						
	EK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	EM						
	EN						
	EO						
	EP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	EQ	Moreau et al., <u>Nature</u> , 336:690-692 (1988)					
LM	ER	Gearing et al., <u>Bio/Technology</u> , 7:1157-1161 (1989)					
LM	ES	Yamamori et al., <u>Science</u> , 246:1412-1416 (1989)					
EXAMINER				DATE CONSIDERED			
Shin-Lin Chen				5-25-06			
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				FILING DATE 12/04/97		GROUP 1643	
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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	FH						
	FI						
	FJ						
	FK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	FM						
	FN						
	FO						
	FP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	FQ	Lowe et al., <u>DNA</u> , 8:351-359 (1989)					
LM	FR	Stahl et al., <u>J. Biol. Chem.</u> , 265:8833-8841 (1990)					
LM	FS	Vaughan et al., <u>Transplantation</u> , 58:879-882 (1994)					
EXAMINER				DATE CONSIDERED			
Shin-Lin Chen				5-15-206			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT D'Apice et al.			
(37 CFR 1.98(b))				FILING DATE 12/04/97		GROUP 1643	
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	GM						
	GN						
	GO						
	GP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	GQ	Latinne et al., <u>Immunological Reviews</u> , 141:95-125 (1994)					
LM	GR	Soares et al., <u>Transplantation</u> , 57:1003-1009 (1994)					
LM	GS	Soares et al., <u>Transplantation</u> , 56:1427-1433 (1993)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
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	HM						
	HN						
	HO						
	HP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
GME	HQ	Gambiez et al., <u>Transplantation</u> , 54:577-583 (1992)					
1	HR	Oriol et al., <u>Transplant International</u> , 7:405-413 (1994)					
SME	HS	Hale et al., <u>Blood</u> , 62:873-882 (1983)					
EXAMINER <i>shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
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	1M						
	1N						
	1O						
	1P						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	1Q	Dabkowski et al., <u>Transplant. Proc.</u> , 25:2921 (1993)					
I	1R	Paulson et al., <u>J. Biol. Chem.</u> , 264:17615-17618 (1989)					
SM	1S	Joziassse et al., <u>J. Biol. Chem.</u> , 267:5534-5541 (1992)					
EXAMINER <div style="font-size: 1.2em; font-family: cursive;">Shin-Lin Chen</div>				DATE CONSIDERED <div style="font-size: 1.2em; font-family: cursive;">5-25-06</div>			
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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	JK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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	JM						
	JN						
	JO						
	JP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>hm</i>	JQ	Thomas et al., <u>Cell</u> , 51:503-512 (1987)					
<i>J</i>	JR	Capecchi, <u>Trends in Genetics</u> , 5:70-76 (1989)					
<i>hm</i>	JS	Jung et al., <u>Science</u> , 259:984-987 (1993)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-96</i>			
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	KM						
	KN						
	KO						
	KP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
SM	KQ	Joziassie et al., <u>J. Biol. Chem.</u> , 264:14290-14297 (1989)					
1	KR	Brinster et al., <u>Proc. Nat. Acad. Sci. USA</u> , 86:7087-7091 (1989)					
SM	KS	Rathjen et al., <u>Cell</u> , 62:1105-1114 (1990)					
EXAMINER <div style="font-size: 1.5em; font-family: cursive;">Shin-Lin Chen</div>				DATE CONSIDERED <div style="font-size: 1.5em; font-family: cursive;">5-25-2006</div>			
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	LM						
	LN						
	LO						
	LP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
SM	LQ	Galili, <u>The Lancet</u> , pp. 358-60, August 12, 1989					
	LR	Thall et al., <u>Autoimmunity</u> , 10:81-87 (1991)					
SM	LS	Good et al., <u>Transplant. Proc.</u> , 24:559-62 (1992)					
EXAMINER				DATE CONSIDERED			
Shin-Lin Chen				5-25-06			
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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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ML							
MM							
MN							
MO							
MP							
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
SM	MQ	Galili, Springer Sem. Immunopathol., 15:155-71 (1993)					
I	MR	Galili, Xeno, 2:84-87 (1994)					
SM	MS	Resnick et al., Nature, 359:550-551 (1992)					
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	NM						
	NN						
	NO						
	NP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	NQ	Capecchi, M.R., (ed.), <u>Molecular Genetics of Early Drosophila and Mouse Development</u> pp. 39-44 (Cold Springs Harbor Lab. Press, 1989)					
I	NR	Jaenisch, R., <u>Science</u> , 240:1468-1474 (1988)					
SM	NS	Laus, et al., <u>Int. Archs Allergy Appl. Immun.</u> , 85:201-207 (1988)					
EXAMINER				DATE CONSIDERED			
Shin-Lin Chen				5-25-06			
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	OM						
	ON						
	OO						
	OP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	OO	Hendricks, S.P., et al., <u>J. Bio. Chem.</u> , 265:17621-17626 (1990)					
1	OR	Platt, J.L., et al., <u>Transplantation</u> , 50:817-822 (1990)					
SM	OS	Galili, U., et al., <u>J. Bio. Chem.</u> , 263:17755-17762 (1988)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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	PM						
	PN						
	PO						
	PP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
64	PQ	Smith, D.F., et al., <u>J. Fed. Am. Soc. Exp. Biol.</u> , 4:A1979 (1990).					
1	PR	Hindsgaul, D., et al., <u>J. Bio. Chem.</u> , 266:17858-17862 (1991).					
54	PS	Cooper, D.K.C., et al., <u>Transplantation Proceedings</u> , 24:566-571 (1992).					
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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	QM						
	QN						
	QO						
	QP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
ll	QQ	Cooper, D.K.C., et al., <u>Xeno-transplantation</u> , pp. 47-99, 170-178, 312-321, 429-438, 500-510, (Springer-Verlag Berlin Heidelberg, 1991)					
I	QR	Platt, J.L., et al., <u>Immunology</u> , 3:735-739 (1991)					
S	QS	Miyagawa, S., et al., <u>Transplantation Proceedings</u> , 21:520-521 (1989)					
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(37 CFR 1.98(b))							
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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	RN						
	RO						
	RP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
LM	RQ	Platt, J.L., et al., <u>Immunology Today</u> , 11:450-456 (1990)					
	RR	Ware, C.B., et al., <u>Biology of Reproduction (Supplement)</u> , 38:129 (1988)					
SM	RS	Piedrahita, J.A., <u>Theriogenology</u> , 29:286 (1988)					
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	SM						
	SN						
	SO						
	SP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
42	SQ	Thompson, S., et al., <u>Cell</u> , 56:313-321 (1989)					
1	SR	Zimmer, A., et al., <u>Nature</u> , 338:150-153 (1989)					
52	SS	Capecchi, M.R., <u>Science</u> , 244:1288-1292 (1989)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>5-25-06</i>			
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	APPLICANT D'Apice et al.		
	FILING DATE 12/04/97	GROUP 1643	

U.S. PATENT DOCUMENTS.

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	TI						
	TJ						
	TK						

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

LW	TN	Kidd, V.J., et al., J. Cell Biochem. (Suppl.), p. 200 (1988)
	TO	
	TP	
	TQ	
	TR	

EXAMINER

Shin-Lin Chen

DATE CONSIDERED

5-25-06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.